New Features in ShipWeight 13.0

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Main window

Possibility to summarize and estimate on secondary WBS

You can select any of your custom codes that has a hierarchy structure and view this in the main window along with the main WBS as a secondary WBS. You can also do parametric estimation on this secondary WBS. This allows you to set up a parametric estimation as a matrix.

⊼ ShipWeight 13.01.03.01 [BAS-AH01(Asbuilt 11)] - ShipWeight Enterprise

Project Edit View Database Weight Groups Items Checking Std.dev. Estimate Help

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BAS-AH01 (Asbuilt 11) BAS Anchor

Neight Group	S					Weigh	Std	LC	VCG	Std	Std	TCG
WBS00 - Ship	Weight break down s	system										
	/ - Lightship	7.00000				6 393 Z		43.06	7.72			-0.03
	R - Remainder											
a	E - Equipment					1 274 🛽		31.95	6.02			0.13
	ER - Remaind	der equipment										
1	E1 - Equipme	nt for cargo				499 I		30.85	5.73			0.32
	E2 - Ship equ	ipment				468 I		31.82	6.11			0.00
	E3 - Accomm	odation				226 🛽		31.39	6.88			0.00
	E4 - Ship sys	tems				81 I		41.09	4.96			0.00
	E4.R - F	Remainder ship sy	ystems									
	E4.1 - E	allast & bilge sys	tems			1	0.00	31.53	8.54	0.00	0.00	0.00
	E4.2 - F	Fire fighting & wa	sh down s	yst		1 💷	0.00	27.95	8.13	0.00	0.00	0.00
	E4.3 - A	Air & sounding sys	st.			3 🖬	0.00	18.10	5.55	0.00	0.00	0.00
	E4.4 - H	lydraulic oil syste	m			5	0.00	36.72	5.88	0.00	0.00	0.00
	E4.5 - 0	Centr. heat transf.	syst.									
	E4.6 - E	lectric systems				71	0.00	42.63	4.78	0.00	0.00	0.00
	H - Hull					4 700 I		46.47	8.31			-0.08
	M - Machinery					419 I		38.62	6.29			0.00
	T - Topside											
WBS01 - Disc	iplines											
- Total -	Disciplines					285 Z						
a B	- Bulk					163 I						
	BR - Overflatebeh	andling				33						
	BE - Elektro bulk					71						
	BH - HVAC bulk					11						
	BI - Innredning bu	lk				0						
	BM - Maskin og rø	r bulk				49						
	BS - Stål					0						
a-E	- Utstyr					122 2						
	EE - Elektro utstyr					5						
	EH - HVAC utstyr					0						
	EI - Innredning ut	styr				7						
	EM - Maskin og rø	r utstyr				110						
Items All Items	Source Chart											
Items	WatGrn ItemNo	Description	Weight [+]	106 [m]	VCG [m]	CG [m] VCG	min [m		may [m	1106 1	nin [m]	1.06 m
E4.6	00001	Electric puttome	64 072	42 022	4 609	0.000	0.000	1 .00	0.00	1	0.000	200_m
E4.0	00001	Electric systems	7 215	47.033	5.513	0.000	0.000		0.000		0.000	
C4.0	00002	Electric systems	1.215	47.9/1	3.312	0.000	0.000	,	0.00		0.000	



Possible to change field order in Main Window

You can change the order of the column in the main window. In version 12 you could turn visibility on and off by right clicking in the main window treeview and select "Show fields". New in version 13 is that you can now also rearrange the order by dragging and dropping the items in the list.

								SWBS St	d 13.0	1.02.01	[SW13(Test)]	- Ship	Weig
ſ	Project B	Edit View [Database Weight Grou	ups Items Checking	Std.dev. Est	imate	Help							
	Ď 🚅	Σ 🚠 🐴 🖍	🐘 🖹 🛋 🛋 🛋	لد * 🗠	e								
	SW13	(Test)									Filter:			
	Weight	Groups			Weight [kg]	LCG	al stad	VCG [m]	std d	etd d	TCG [m]	Std d	VCG m	in W
	A WREAD	- CWPC baseled			weight [kg]	200 [1	ii) 30.0.		50.0	50.0	rea [iii]	500.0	vco_m	
		DISP - Total	Displacement		6 058 145 ∑	350	2.53	56.45			1.54			0.00
	-	LOAD	· Loads											
		LWM -	Lightship with margin	Copy table	15 Σ	358	3.53	56.45	;		1.54			0.00
		J	W - Liahtship Without	Delete	15 Σ							_		0.00
			R - Remainder Ligi						Show	Fields	-		×	
				Print	Σ ΟΙ		Field							0.00
			100R - Remai	Items			v w	/eight Group						
				Set status 'Checked'	14 Σ	1	√ №	/eight [ka]						0.00
				Correct Weight	14 Σ	11		CG [m]						0.00
			130 - HULL C	Show all 'Undefined'	1 Σ			/eight Std.de	v.[%]					0.00
			140 - HULL F	Show All Weights	i7 Σ.		✓ V	CG [m]						0.00
			150 - DECK I	Show All Weights	i5 Σ		V	CG Std.dev.[%]					0.00
			160 - SPECI	Collapse	16 Σ			۔ ۲G Std.dev.[۱	%]		Δ			0.00
	<	1 1 1		Expand	- 11		V T	- CG [m]	-					
	Items A	Items Source	Chart	Expand all			V T	CG Std.dev.[%]					
	Te	boarce		Show Fields			✓ v	- CG_min [m]	-					
	Items	ItemNo	Description	Optimize Col. Widths		VC	✓ V	CG_max [m]						C02
	111	00 1	B/O 7/04/85	Set as Main WgtGrp	11.	7 5.	✓ L(CG_min [m]						
	242	00 10		COUPLINGS	1 159 3	26.	🖌 L (CG_max [m]						
	244	00 10	COMB JOURNAL	& THRUST B	2 496.2	1 6	V T	CG_min [m]						
	245	00 10	PROPELLERS, FI	KED PITCH,5	7 960.1	4 3.	V T	CG_max [m]						
	252	00 10	PROP CONTROL	SYS EQPT	6 212.7	91								
	299	00 10	PROPN REPAIR	PARTS	3 106.4	0 10								
	322	00 10	EMERG POWER	CABLE	630.3	5 20.								
	399	00 10	REPAIR PARTS		5 647.9	9 13.								
	434	00 10	ANTENNA TV/F	M MARK 20 CA	16.3	9 50.				OK		Cancel		
	436	00 10	FIRE ALARM SW	ITCHBOARD	564.8	0 42.				_				
	445	00 10	SECURITY FOUR	DMENT	1 809 0	1 47 77	174 10.6	7 77 77 47 77	169 1	79 56	7 15 67			



See all items in preview in main window

All items can now be shown in the preview area of the main window, in addition to the existing option that shows only items for the current selected weight group.

<u>~</u>													SWB	S Sto	d 13.0	01.02	.01	[SW1	3(Test)	- ShipWe	ight I	Enter	prise
Project	Edit View	/ Database	Weight G	roups	Items	Chec	king	Std.dev	v. Est	timate	Help	p											
🗋 🗋 🚔		<u></u>	.#. #4)	f* 1s	. 些	A		2	Ŀ, #	e													
SW13	(Test)																	Filter:					_
<u>Weight</u>	Groups							Weigh	t [kg]	LCG [m] s	td.d	VCG	[m]	Std.d	. Std.o	d	TCG [m] Std.d	VCG_min	. VCG_r	max	LCG_
WBS00) - SWBS bre	ak down syste	m																				
	DISP - T	Fotal Displacem	ent					6 058 :	145 Σ	358	.53			56.45				1	.54	0.0	5	0.00	
	LO	AD - Loads																					
	LW	/M - Lightship	with margin					6 058 :	145 🗵	358	.53			56.45				1	.54	0.0	5	0.00	
		LW - Lightsl	hip Without M	largins				6 058 :	145 <u>Z</u>	358	.53			56.45				1	.54	0.0	c	0.00	
		R - Re	mainder Light	ship																			
		100 - H	HULL STRUCT	URE, GE	ENERAL			3 082 9	<u>Σ 00</u>	359	.78			54.59				0	.42	0.0	J	0.00	
			100R - Remain	der Hull	Structu	re																	
			110 - SHELL A	ND SUP	PORTIN	G STRUC	TURE	967 !	534 <u>S</u>	333	.75			31.14				0	.35	0.0	J	0.00	
			120 - HULL ST	RUCTUR	RAL BUL	KHEADS		429 9	0 4Σ	337	.30			51.19				0	.51	0.0	J	0.00	
			130 - HULL DE	CKS				682 :	101 Σ	367	.62			78.15				0	.93	0.0	J	0.00	
			140 - HULL PL	ATFORM	15 AND	FLATS		170	767 <u>Σ</u>	394	.01			22.93				0	.00	0.0	J	0.00	
			150 - DECK HO	OUSE ST	IRUCTU	RE		218 4	195 ∑	491	.71		1	130.57				-0	.34	0.0	J	0.00	
			160 - SPECIAL		TURES			167 (<u>Σ</u> 390	441	.93			52.62				-2	.03	0.0	o	0.00	
<																							>
Items A	ll Items So	ource Chart]																				_
Items	ItemNo	•	Description				Wei	ight [t]		VC	LC	тс	VC	VC	LC	LC	тс	тс	C01	C02		C03	^
111	00 1		B/O 7/04/85 0	DK DWG	s				11.5	7 5.43	1.34	0.54	0.43	10.43	-3.66	6.34	-4.46	5.54	Change o	rd	С		Y
111	00 10		SHELL PLATE	E FWD S	TA 0				2 391.8	2 26.73	-2.50	0.00	21.73	31.73	-7.50	2.50	-5.00	5.00			С		Y
242	00 10		MAIN FLEXIE	BLE COU	IPLINGS				1 159.3	5 8.49	138	0.00	3.49	13.49	133	143	-5.00	5.00			С		Y
244	00 10		COMB JOURN	NAL & T	HRUST	в			2 496.2	1 6.96	152	0.00	1.96	11.96	147	157	-5.00	5.00			С		Y
245	00 10		PROPELLERS	,FIXED	PITCH,				7 960.1	4 3.62	186	0.00	-1.38	8.62	181	191	-5.00	5.00			С		Y
252	00 10		PROP CONTR	ROL SYS	EQPT				6 212.7	9 13.36	101	0.00	8.36	18.36	96.00	106	-5.00	5.00			С		Y
299	00 10		PROPN REPA	IR PART	rs 				3 106.4	0 10.02	135	0.00	5.02	15.02	130	140	-5.00	5.00			с		Y
322	00 10		EMERG POW	ER CAB	LE				630.3	6 20.04	143	0.00	15.04	25.04	138	148	-5.00	5.00			6		J
434	00 10			/EM MA	RK 20 C	•			16.3	9 50 11	161	16 54	45 11	55 11	156	166	11 54	21.54			č		÷.
436	00 10		FIRE ALARM	SWITC	HBOAR)			564.8	0 42.87	152	0.00	37.87	47.87	147	157	-5.00	5.00			c		Ŷ
446	00 10		SECURITY EC	QUIPME	NT				1 809.0	0 42.32	174	10.67	37.32	47.32	169	179	5.67	15.67			c		Y
498	00 10		OPERATING	FLUIDS					254.1	6 25.97	128	0.00	20.97	30.97	123	133	-5.00	5.00			c		Y
499	00 10		SPECIAL TO	OLS					1 299.0	4 15.03	128	0.00	10.03	20.03	123	133	-5.00	5.00			с		Y
529	00 10		DRAINAGE &	BALLAS	STING			2	0 332.7	8 11.04	99.00	0.00	6.04	16.04	94.00	104	-5.00	5.00			с		Y



Select source for weight group value

The source for the weight and CG of the weight group may now be selected by the preference of the user. This means that we now can save weight and CG for the weight group from several sources. The sources are

- Subjective (freely set)
- Estimate (from parametric estimation), "Items" (sum of item details)
- Percentage (calculated as % of another group)
- Summarize (sum of subgroups)
- Not defined

All options may contain values, but it is only the option selected by the user that will be included and calculated in the treeview.

X				SWBS St	d 13.01.02.01	[SW13(Test)
Project Edit View Database Weight Group	s Items Checking	g Std.dev. Es	timate H	elp			
🗅 🚔 🔒 🕅 🕅 💷 Σ 🚠 🚧 🕬	🔄 🖾 🛋 🛋	ک * 🗠 ک	e				
SW13 (Test)						Filter:	
Weight Groups		Weight [kg]	LCG [m]	Std.d VCG [m]	Std.d Std.d	TCG [m]	Std.c
 WBS00 - SWBS break down system 							
DISP - Total Displacement		6 058 145 💈	358.53	56.45		1.54	
I LOAD - Loads							
LWM - Lightship with margin		6 058 145 💈	358.53	56.45		1.54	
LW - Lightship Without Margin	s	6 058 145 💈	358.53	56.45		1.54	
R - Remainder Lightship							
100 - HULL STRUCTURE,	GENERAL	3 082 900 💈	359.78	54.59		0.42	
100R - Remainder H	ull Structure						
110 - SHELL AND S	UPPORTING STRUCTUR	E 967 534 ∑	333.75	31.14		0.35	
120 - HULL STRUCT	URAL BULKHEADS	429 904 Σ	337.30	51.19		0.51	
130 - HULL DECKS		682 101 Σ	367.62	78.15		0.93	
140 - HULL PLATFO	RMS AND FLATS	170 767 💈	394.01	22.93		0.00	
150 - DECK HOUSE	STRUCTURE	218 495 💈	491.71	130.57		-0.34	
160 - SPECIAL STR	UCTURES	167 096 💈	441.93	52.62		-2.03	
<							
Items All Items Source Chart							
Source Weight [kg] VCG [n	1] LCG [m] TCG [m] VO	G_min [m] VCG_m	ax [m] LCG_I	min [m] LCG_max [m]	TCG_min [m] TC	G_max [m]	
O Not def.							
 Subjective 							
O Estimate							
O Items							
O Percentage							
Summarize 3 082 900 16.6	4 109.66 0.13	0.00	0.00	-7.50 207.66	0.00	0.00	



New visualization chart for weight

A new tabsheet for "Chart" has been added to the main window. You can now select any of the weight groups in the treeview in the main window and the chart will show the distribution of weight for the subgroups of the selected weight group.





Item window

Function to see totals of selected items in Item Window

You can now select several rows in the item window and hover the mouse pointed over these rows to display a tool tip that will give you the weight and CG summary calculated from the selected items.

<u>~</u>					Item	IS			
Items Edit Settin	g Tools View	Window							
		~	V. W. 189 🕏	a Ger Ger	V E 111	v +			↓ 11 +
			111 1470 💷 🖸		· E ····				. 4-
ID & Description									
WgtGrp	ItemNo	Description		RegUser	RegDate	_			
111 🗸	07 10	SHELL PLATE STA 6	i-7	Administrator	5/20/2017 3:48:08	l l			
_ Weight & CoG			weld 51				10051	700 ()	
NoOf [-]	Factor [-]	Length [-]	Width [-]	UnitWeight [kg]	Weight [kg]	VCG [m]	LCG [m]	ICG [m]	VCG_min [m]
198	1.00	1.00	1.00	19.29	3819.20	1.56	64.35	0.00	-3
LCG_min [m]	LCG_max [m]	TCG_min [m]	TCG_max [m]	_					
59.35	69.35	-5.00	5.00						
Table view							,		
WgtGrp	ItemNo	Description		RegUser	RegDate	NoOf [-]	Factor [-]	Length [-]	Width [
111	03 40	SHELL PLATE STA 2-	3	Administrator	5/20/2017 3:48:	216	1.00	1.00	1.0
111	06 10	SHELL PLATE STA 5-	6	Administrator	11/14/2018 1:36	188	1.00	1.00	1.0
111	06 30	SHELL PLATE STA 5-	6	Administrator	11/14/2018 1:36	193	2.00	1.00	1.0
» 111	07 10	SHELL PLATE STA 6-		Administrator	5/20/2017 3:48:	198	1.00	1.00	1.0
» 111	08 10	SHELL PLATE STA 7-	8	Administrator	5/20/2017 3:48:	220	1.00	1.00	1.0
» 111	08 30	SHELL PLATE STA 7-	8 ab	Administrator	11/14/2018 1:37	190	1.20	4.00	1.0
» 111	09 10	SHELL PLATE STA 8-	9	Administrator	5/20/2017 3:48:	226	1.00	1.00	1.0
» 111	09 30	SHELL PLATE STA 8-	9 ab	Administrator	11/14/2018 1:37	210	2.00	1.00	1.0
» 111	10 10	SHELL PLATE STA 9-	10	Administrator	5/20/2017 3:48:	232	1.00	1.00	1.0
» 111		SHELL PLATE STA 9-	10	Administrator	5/20/2017 3:48:	238	1.00 1.00 = 7.44 [m] 1.00 =	1.00	1.(
» 111	105	TRANSOM		Administrator	5/20/2017 3:48:	weight = 308 [t], v	CG = 7,44 [m], LCG =	36.91 [m], 100 = 0.00	.[m]
» 111	11 10	SHELL PLATE STA 10)-11	Administrator	5/20/2017 3:48:	230	1.00	1.00	1.0
» 111	11 30	SHELL PLATE STA 10)-11	Administrator	11/14/2018 1:39	236	3.00	1.00	1.0
» 111	12	SHELL PLATE STA 1-	2	Administrator	11/14/2018 1:41	132	3.00	4.00	5.0
» 111	12 10	SHELL PLATE STA 11	1-12	Administrator	5/20/2017 3:48:	230	1.00	1.00	1.0
» 111	12 30	SHELL PLATE STA 11	1-12	Administrator	5/20/2017 3:48:	236	1.00	1.00	1.0
» 111 111	1240	SHELL PLATE STA U-	2	Administrator	5/20/2017 3:46:	300	1.00	1.00	1.0
111	1240	SHELL PLATE STA 1-	2	Administrator	5/20/2017 3:40:	220	1.00	1.00	1.0
111	13 10	SHELL PLATE STA 1-	2	Administrator	5/20/2017 3:48:	220	1.00	1.00	1.0
111	13 30	SHELL PLATE STA 12	-13	Administrator	5/20/2017 3:48:	236	1.00	1.00	1.0
<									
_ Total weight & CoG									
Weight [kg]	Weight [t]	VCG [m]	LCG [m]	TCG [m]	VCG_min [m]	VCG_max [m]	LCG_min [m]	LCG_max [m]	TCG_min [m]
582858.22	583	8.50	76.59	0.00	-5.00	30.22	-5.00	206.50	-5
	1								
	63	Filter: WgtGrp =	111						



Mark editing cells stay marked

The "Mark Edited Cells" option will let you have changed cells stay marked even if you leave the row.

				Iter	ns					>
Items Edit Setting Tools View	Window									
Grid Display Setting		✓ X. X. 🔊 🕼	te Gia Gia	v 🗐 11	1 🗸	i	12	~ I L*		
Load Setting										
Save Setting	scription		RegUser	RegDate						
Save Setting As	HELL PLATE	STA 1-2	Administrator	5/20/2017 3:48:0	8					
Item Settings										
Environment Income Cotting										
Equipment import setting	ngth [-]	Width [-]	UnitWeight [kg]	Weight [kg]	VCG [m]	LCG [m]	TCG [m]	VCG_min [m]	VCG_max [m]	
Master Item Import Setting		4	5 2	182160)	0.0	0.0	-5.0	0 5.00	
Local Coordinates	:G_min [m]	TCG_max [m]								
Mark Edited Cells		-5.00 5.0	0							
T III a fam	_									
			11 011 1	5		ucht fal			1 1 2011	-
scription	Reguser	KegDate	NOUT [-]	Factor [-]	Length [-]	Width [-]	UnitWeight [kg]	Weight [kg]	VCG [m]	LCG [m]
ELL PLATE STA 2-3	Administrator	5/20/2017 3:48:	216	1.00	1.00	1.00	19.29	4166.40	25.06	24.75
FLL PLATE STA 5-6	Administrator	11/14/2018 1:36	100	2.00	1.00	1.00	10.20	7445 52	14.03	54.45
FIL PLATE STA 6-7	Administrator	5/20/2017 3:48:	193	1.00	1.00	1.00	19.29	3819.20	1.55	64 35
FIL PLATE STA 7-8	Administrator	5/20/2017 3:48:	220	1.00	1.00	1.00	19.29	4243.56	1.34	74.25
ELL PLATE STA 7-8 ab	Administrator	11/14/2018 1:37	190	1.20	4.00	1.00	28.93	26387.23	13.64	74.25
ELL PLATE STA 8-9	Administrator	5/20/2017 3:48:	226	1.00	1.00	1.00	19.29	4359.29	1.11	84.15
ELL PLATE STA 8-9 ab	Administrator	11/14/2018 1:37	210	2.00	1.00	1.00	38.58	16202.68	13.36	84.15
ELL PLATE STA 9-10	Administrator	5/20/2017 3:48:	232	1.00	1.00	1.00	19.29	4475.03	1.11	94.05
ELL PLATE STA 9-10	Administrator	5/20/2017 3:48:	238	1.00	1.00	1.00	38.58	9181.52	13.47	94.05
ANSOM	Administrator	5/20/2017 3:48:	246	1.00	1.00	1.00	16.07	3954.23	21.16	201.50
ELL PLATE STA 10-11	Administrator	5/20/2017 3:48:	230	1.00	1.00	1.00	19.29	4436.45	0.89	103.95
ELL PLATE STA 10-11	Administrator	11/14/2018 1:39	236	3.00	1.00	1.00	41.00	29028.00	34.00	103.95
ELL PLATE STA 1-2	Administrator	5/20/2017 3:48:	132	3.00	4.00	5.00	23.00	182160.00	2.00	
ELL PLATE STA 11-12	Administrator	5/20/2017 3:48:	230	1.00	1.00	1.00	19.29	4436.45	0.89	113.85
ELL PLATE STA 11-12	Administrator	5/20/2017 3:48:	236	1.00	1.00	1.00	38.58	9104.36	13.59	113.85
ELL PLATE STA 0-1	Administrator	5/20/2017 3:48:	360	1.00	1.00	1.00	16.07	5786.67	0.00	0.00
ELL PLATE STA 1-2	Administrator	5/20/2017 3:48:	220	1.00	1.00	1.00	16.07	3536.30	0.00	0.00
ELL PLATE STA 1-2	Administrator	5/20/2017 3:48:	220	1.00	1.00	1.00	16.07	3536.30	25.22	14.85
ELL PLATE STA 12-13	Administrator	5/20/2017 3:48:	230	1.00	1.00	1.00	19.29	4436.45	0.89	123.75
FLI PLATE STA 12-13	Administrator	15/20/2017 3:48:	236	1.00	1.00	1.00	38.58	9104.36	13.591	123.75
Total weight & CoG										
Weight [kg] Weight [t]	VCG [m]	LCG [m]	TCG [m]	VCG_min [m]	VCG_max [m]	LCG_min [m]	LCG_max [m]	TCG_min [m]	TCG_max [m]	
404234.52 4	04	11.36 110.4	3 0.00	-5.00	30.22	2 -5.0	0 206.5	-5.0	0 5.00	
I	Filter: Wg	tGrp = '111'								



Paste values only to certain columns

This function will allow to specify which columns to paste to from the clipboard. Pasting will happen to existing items and from the selected row and below (depending on how many rows are in the clipboard). Picture below shows how to do this in the table:

<u>w</u>						lt	ems				_ □	×
Items Edit Set	tting Tools View	Window	,						🔼 Show Fields – 🗖	×		
				V X X 🖻 🛱	a 64a 64a	Standar		%			~ L +	
ID & Description									Field	^		
WatCrp ItemN	I	Descripti						Weight rof	✓ ItemNo	-		
wgtorp Iteniw	- ANA	- Securpu	011					weightren.	✓ Description			
110 V 3136	• · ·	E250-20	07 - Cr	ew boarding door - Coam	ng				Qnt			<u> </u>
Status	Except	-							Factor			
	~								L, A			
									Width			
_ Weight & CoG _									UnitWeight	-		
_ Additional inform	natior				_				✓ Weight			
Table view									VCG			-
Mark Car	Thomas I			Description	Mariaha and			Charles II.	✓ LCG		1	^
110	Itemino 2100	A	INA	Eleer Cirdere MD	weight rer.		Supplier	Status	TCG			
110	3130			F250-201 - Swim				test	VCG_min		1 1	.00
110	3131			E250-202 - Tran				test	VCG_max		1 1.	.00
110	3132			E250-203 / 204				test	LCG_min		2 1.	.00
110	3135			E250-205/206				test	LCG max		2 1.	.00
» 110	3136			[Ctrl. 7	_		test			1 1.	00
110	3137			ondo	Cui+Z	L		test			2 1.	.00
110	3139			Cut Item(s)	Ctrl+X	L		test			2 1.	00
110	3184			Copy Heading		<u> </u>		test	C02 - Weight ref		1 1.	00
110	3565			Copy Item(s)	Ctrl+C	H		test		ĩ 📕	1 1.	00
110	3566			Paste Item(s)	Ctrl+V			test			1 1.	.00
110	3567			Paste to column(s)				test		-	1 1.	.00
110	3568-C		-					test		-	0 1.	.00 🗸
<				Delete Item(s)	Ctrl+D		I	1			1	>
_ Total weight & C	CoG			Merge Items					CO7 - Margin dev.			
Weight [kg]	Weight [t]	VCG [m]		Go To	Ctrl+G		VCG_min [m]	VCG_max [m			TCG_min [m]	
2588	536 2588.536			Item History		0.34		0.00	CU9 - Total margined		00	0.00
TCG_max [m]	Margin	Total ma		Deleted Items		-			C10 - CoG reference			
	100 0497.00			Select All	Ctrl+A				C11 - Additional notes			
	5-107.00								C12 - Excel Weight	-		
		_		Display Options					OK Cancel			
I4 4	6 1 793 🕨	M		Filter	+							
				Sort	+							
<u>Items</u>	ItemNo Description			Hide Column		[m] TO	G [m] VCG_min [i	m] VCG_max [m] LC	CG_min [m] LCG_max [m] TCG_min [m]	TCG_n	nax [m]	
		L										





Duplicate Row

A function for easy duplication of a row into any number of copies.

ItemNo can follow the copied one, adding on a suffix to the item 3136_1, 3136_2, 3136_3,...

GUI shown here:

					tems				– 🗆 🗙
Items Edit Setting	g Tools View	Window							
	X I V V	~	V. V. 🔊 🗣	दे जिस जिसे Standa	rd 🗸 🗏 🕅	. V.A.		14	v II.*
ID & Description						000	L		
WetCre ItemNe	4514	Description				Weight rof		Supplier	
wgtarp Itemino	ANA	Description				weight rer.		Supplier	
110 ¥ 3136	¥	E250-207 - Crew I	boarding door - Coam	ing					¥
Status	Except								
×									
_ Weight & CoG									•
_ Additional informatio	r								
Table view									-
WgtGrp			Description	Weight ref.				Qnt [-]	L, A [-]
110	3129		Floor Girders MD			test		1	1.00
110	3130		E250-201 - Swim			test		1	1.00
110	3131		E250-202 - Tran			test		1	1.00
110	3132		E250-203 / 204			test		2	1.00
110	3135		E250-205/206				×	2	1.00
» 110	3136	Und	lo	Ctrl+Z				1	1.00
110	3137				N	umber 50		2	1.00
110	3139	Cut	ltem(s)	Ctrl+X				2	1.00
110	3564	Cop	y Heading			OK		1	1.00
110	3565	Cop	y Item(s)	Ctrl+C				1	1.00
110	3566	Past	te Item(s)	Ctrl+V		test		1	1.00
110	3567	Dur	licate row			test		1	1.00
110	3568-C					test		0	1.00 🗸
<		Dele	ete Item(s)	Ctri+D					>
_ Total weight & CoG		Mer	rge Items						
Weight [kg]	Weight [t]	VCG [m] Go	To	Ctrl+G	VCG min [m]	VCG max [m]	LCG min [m]	LCG max [m]	TCG min [m]
2588536	2588 536	lten	n History	0.5	4 00	0 0 00		0.00	0.00
TCG max [m]	Margin	Total ma	eted Items	0.5	0.0	0.00	0.00	0.00	0.00
0.00	9487.00	Sele	ect All	Ctrl+A					
	5.57100	Dier	alay Ontions						
	1 793	N Filte	ay options	,					
	1755	Cort							



SQL-operation as option to change on field values

The "Execute operation" dialog that can be opened from the Item Window has changed name to "Change Field Values..." and has a new option allowing for much greater flexibility than the Add/Subtract/Multiply/Divide options in version 12.

The new option "SQL Operation", allows the user set a calculation formula to update a field. The calculation formula may refer to other fields. The simple example below shows setting LCG_max values for the selected items to the LCG value plus 1 meter (LCG +1). Note that these expressions should always be set in SI/metric units, even if project is in imperial units.

<u>~</u>								
lten	ns Edit Setting Change Wgt.grp.	g Tools View	Window	V. V. 194	토 - Standard	I ▼ E M1.1	L	[]]
	Code Enveloped	ltems		+T+ 44.P		Change Field	/alue	×
	Set Codes by Ma Set All Codes by	pping Mapping	cription elpemotor		Field:	Op	eration	Re ator 1
	Set Field Values				VCG_min VCG_max	^ 0	Add OMu	ltiply
	Set CoG by Code	Envelopes	▶ gth [-]	Width [-]		م ل	SQL Operation (SI-u	nits)
	Change Field Val	ues	1.00	1.0	C01 - Comment C03 - Drop	Value	e: LCG + 1	6.00
	Merge Items		ubo		C04 - Combo C05 - Test		OK Car	ncel
	Create Margin Ite Deleted Items	ems		•				
	Import / Export		•					
	Refresh Recordse	t	sription	RegUser	RegDate	NoOf [-]	Factor [-]	Length [-]
	Diat		n Engine 1+4	Administrator	1/31/2019 1:57:	1	1.00	1.00
	Print		n engine 2+3	Administrator	1/31/2019 1:57:	1	1.00	1.00
» I	91.1	05370	HFO module 1+2	Administrator	1/31/2019 1:57:	1	1.00	1.00
* * *	91.1	05380	HFO module 3+4	Administrator	1/31/2019 1:57:	1	1.00	1.00
	<u>ุขา. 1</u> ฟา 1	05390	Hielpemotor	Administrator	1/31/2019 1:5/:	1	1.00	1.00
*	1111	00100	hjeipemotor	Administrator	2/1/2019 11:33:	÷	1.00	1.00



Permission control

Possibility for a user to belong to several user groups.

There has been a change to the permission system such that a user can belong to several user groups. This will align with how users and groups works in Windows OS. Below shows the change in the User permission window in ShipWeight, new checkboxes indicates which groups the user belongs to.

Pro	perties for test	×
User Name:	test	
Full Name:	Test user	
Description:		
Department:		
E-mail:		
User Groups		
Group Name	Description	
□ sysadmin ✔ RO	System administrators - full control Read only	
Machinery	Permission to machinery WBS only	
<	1	>
User Must Change Pass	word at Next Logon	_
User Cannot Change Pa	ssword	
Password Never Expires	3	
Account is Disabled		
Account is Locked Out		
Ok Cance	el Apply	



Easy way of adding group permissions to several projects at once

In ShipWeight 13 there is a new tabsheet in the user group property window that lets you easily set which project the user group settings should apply to.





Other New Features

New 3D window

A new 3D window is included to give a graphical user interface of the items in the ShipWeight database, allowing you to click on items to display their properties, slice through the model, colorize particular items and find weight items in the list and show the highlighted in the 3D View.





Improved Compare Window

The Compare Window has several new functions, and the possibility to save the setup you have defined. These settings can be imported and exported between various projects.

Among the new features will be the option to display different weights in different columns as percentage, shades of green/red to signal small/large deviation, as well as import function for items.

<u>~</u>				Compare			-	□ ×
Code type: List O Defined All Input	WgtGrp Deviation Show Absolute Relative	CoG impact Show Absolute Relative	View O Grid Tree I Items	Show VCG LCG TCG	Project RAA-P	C\SW - SW04_SA	WE2017(SAWE-2)	×
Code & Descript	tion	Weight [kg] Test	Weight [kg] 01	Dev.[kg]	LCG [m] Test	LCG [m] 01	Dev.[m]	^
DISP - Total Dis	placement	6 058.145	5 589.320	468.825	109.281	113.861	-4.580	
LWM - Lightship	p with margin	6 058.145	5 585.554	472.591	109.281	113.869	-4.588	
LW - Lightship	Without Margins	6 058.145	5 290.554	767.591	0.000	113.735	-113.735	
100 - HULL ST	RUCTURE, GENER	3 082.900	2 779.271	303.629		111.648		
110 - SHELL A	AND SUPPORTING	967.534	755.906	211.628	0.000	107.247	-107.247	
111 - SHELL	PLATING	638.147	450.346	187.801		109.135		
114 - SHELL	APPENDAGES	40.412	36.587	3.825	107.371	112.590	-5.219	
115 - STANC	HIONS	21.721	20.776	0.945	109.416	109.416	-0.000	
116 - LONGI	TUDINAL FRAMING	85.064	73.931	11.133	101.859	101.859	0.000	
117 - TRANS	VERSE FRAMING	182.189	174.266	7.923	103.272	103.272	-0.000	
120 - HULL ST	TRUCTURAL BULK	429.904	411.206	18.698	102.809	102.809	0.000	
121 - LONGI	TUDINAL STRUCT	60.715	58.074	2.641	104.520	104.520	0.000	
122 - TRANS	VERSE STRUCTUR	264.640	253.130	11.510	101.139	101.139	0.000	
123 - TRUNK	S AND ENCLOSU	104.548	100.001	4.547	106.043	106.043	-0.000	
130 - HULL D	ECKS	682.101	652.435	29.666	112.050	112.050	0.000	
131 - MAIN D	DECK	444.145	424.828	19.317	113.238	113.238	-0.000	
136 - 01 HUL	L DECK (FORECA	237.956	227.606	10.350	109.832	109.832	-0.000	
140 - HULL PL	LATFORMS AND F	170.767	163.340	7.427	120.095	120.095	-0.000	
149 - FLATS		170.767	163.340	7.427	120.095	120.095	-0.000	
150 - DECK H	OUSE STRUCTURE	218.495	208.993	9,502	149.873	149.873	-0.000	
151 - 01 LEVE	EL	100.350	95.986	4.364	130.376	130.376	-0.000	
152 - 02 LEVE	EL	85.591	81.868	3.723	166.655	166.655	0.000	
153 - 03 LEVE	EL	32.554	31,138	1.416	165.853	165.853	-0.000	v
Print							Save	Close

The calculated values in Compare Window are now saved in a temporary table in the project database, and this feature improves the speed when opening the window. Another new feature to increase speed is that it's now possible to update only one revision at the time.



More "Save As" options

	Save project as				×	
Server:	RAA-PC\SW	¥]	OK		
Database:	SW00_IntoThis			Cancel		
Catalog:	SW00_BJ Technologies SW00_DDB SW00_IntoThis SW00_Polaris SW00_PolarisDB SW00_ProDB SW00_ProjectDB_test 	^	Copy	Log Permissions ze Current e Worksets		
	F-01 F-01.1 F-01.2					
Project ID:	Base Base rev 2 Egnine ver 2 Engine ver 1 Test Ul1 Ul2	* *				

- "Copy Permissions"- if this box is checked, the permission settings for usergroups for this project should be copied to the new project so there is no need to set new permissions.
- "Freeze current" should set all usergroups to be "Read-only" in the project you are saving from.
- "Delete workset" when you start a new revision and you want to start with a clean set of worksets.



Sort Projects/Revisions in Folders

Create folders to organize your projects and revisions.

ShipWeight 13 has a connection between the project structure in the "Project folder" and the "Open project" window such that the organization is reflected both places. This has by adding a new list in the open project window that can be used to browse your folders.





Adding a Correction Weight to Adjust a Summary

Sometimes you want to adjust a summary to make it a specific set of values. As an example, you want to adjust the Lightship weight and center of gravity to match the results from a displacement and inclining test.

ShipWeight has a function to let you automatically accomplish this. First, right-click the weight group you want to adjust, and select "Correct Weight" in the submenu that appears.

Weight Groups	Weight [t]		Std.de	VCG [m]	LCG [m]	TCG [m]	LCG	LCG_m	
 DISP - Displacement 	5 029	Σ		9.25	39.46	-0.68	-9.40	90.60	
− − R DR - Remainder displaceme	nt								
i⊢– – ≝⊕⊻ DW - Deadweight									
LW - Lightship		<u>807 N</u>	Σ		9.23	39.34	-0.68	-9.40	90.6
🥆 R - Remainder	Copy table								
	Delete all Under	8	Σ		8.60	36.97	-0.90	-9.40	88.1
🖂 🖓 E - Equipment	Print	5	Σ		11.95	45.35	0.46	-9.30	90.6
🗁 🗝 🛥 M - Machinery		5	Σ		5.87	40.71	-2.40	-1.40	62.60
it⊕⊻ T - Topside	Items	D	×						
🖵 🖑 🕙 Temp - Temporary	Set status 'Checked	'2			9.83	42.04	-0.75	-1.00	-1.00
	Correct Weight								
	Show all 'Sums'								
	Show All Weights								
	Collapse								
	Expand								
	Expand all								
	Show Fields								
	Ontimize Col Widt	ha							
	Optimize Col. Widths								
	Set as Main WgtGr	p							

In the "Add Correction" window that pops up, in row A; fill in the values (weight and CG) you want the summary to have after correction.

Add Correction										×			
	Wgt.grp	Percentage	Description	Weight	VCG	LCG	TCG	VCG_min	VCG_max	LCG_min	LCG_max	TCG_min	TCG_max
A			<new total="" weight=""></new>	5 000.000	10.000	40.000	0.000	0.000					
В	LW		Lightship	4 797.835	9.226	39.340	-0.677	0.000	0.000	-9.400	90.600	0.000	0.000
C=A	в		Total correction	202.165	28.372	55.663	16.073	0.000	0.000	0.000	0.000	0.000	0.000
D	R	100.00%	Remainder	202.165	28.372	55.663	16.073	0.000	0.000	0.000	0.000	0.000	0.000
E=C	D		Not assigned correction	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
											Ap	oply	Close



In row B, make sure it displays the correct summary that you want to change. If not correct, click the cell to change the to the correct weight group from the droplist.

In row D, ShipWeight is suggesting to add the correction to the remainder group. If you want the correction to be added to a different weight group, change this here by clicking the cell and select the desired weight group from the droplist.

~	× Add Correction									×				
Г		Wgt.grp	Percentage	Description	Weight	VCG	LCG	TCG	VCG_min	VCG_max	LCG_min	LCG_max	TCG_min	TCG_max
	A			<new total="" weight=""></new>	5 000.000	10.000	40.000	0.000	0.000					
	В	LW		Lightship	4 797.835	9.226	39.340	-0.677	0.000	0.000	-9.400	90.600	0.000	0.000
	C=A-B			Total correction	202.165	28.372	55.663	16.073	0.000	0.000	0.000	0.000	0.000	0.000
	D	R	100.00%	Remainder	202.165	28.372	55.663	16.073	0.000	0.000	0.000	0.000	0.000	0.000
	E=C-D			Not assigned correction	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
												Ap	oply	Close

Next, still in row D, set if all or only parts of the correction should be applied to the selected group in row D. The default is 100 % - that the full correction will be applied to the group. Click "Apply" button to transfer the calculated values to the main window.

<u>~</u>	× Add Correction								×				
	Wgt.grp	Percentage	Description	Weight	VCG	LCG	TCG	VCG_min	VCG_max	LCG_min	LCG_max	TCG_min	TCG_max
A			<new total="" weight=""></new>	5 000.000	10.000	40.000	0.000	0.000					
В	LW		Lightship	4 797.835	9.226	39.340	-0.677	0.000	0.000	-9.400	90.600	0.000	0.000
C=A-	3		Total correction	202.165	28.372	55.663	16.073	0.000	0.000	0.000	0.000	0.000	0.000
D	R	100.00%	Remainder	202.165	28.372	55.663	16.073	0.000	0.000	0.000	0.000	0.000	0.000
E=C-)	a.	Not assigned correction	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
											_	_	
											Ap	oply	Close

The main window is now updated with the corrected weight.

	<u>.</u>					
-	— — LW - Lightship	5 000 Σ	10.00	40.00	-0.00	
	— — R - Remainder	202	28.37	55.66	16.07	
		3 238 Σ	8.60	36.97	-0.90	-
	🛏 🔤 🗛 E - Equipment	1 195 Σ	11.95	45.35	0.46	-
	🛏 🗯 🗰 M - Machinery	365 Σ	5.87	40.71	-2.40	-